

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L36	3	lens adj (barrel or tube or cylinder) with tool adj (mark or groove or slot)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/19 12:51
L54	95	US-5574526-\$. DID. OR US- 4786057-\$.DID. OR US- 5652923-\$.DID. OR US- 5854711-\$.DID. OR US- 5973857-\$.DID. OR US- 6141158-\$.DID. OR US- 4486074-\$.DID. OR US- 4542972-\$.DID. OR US- 5223981-\$.DID. OR US- 5270765-\$.DID. OR US- 5477271-\$.DID. OR US- 5724194-\$.DID. OR US- 5790902-\$.DID. OR US- 6043892-\$.DID. OR US- 4322615-\$.DID. OR US- 4461544-\$.DID. OR US- 4804831-\$.DID. OR US- 5212516-\$.DID.	US-PGPUB; USPAT; JPO; DERWENT	ADJ	ON	2009/11/19 13:52

OR US-  
5278601-\$.DID.  
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OR US-  
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OR US-  
4527888-\$.DID.  
OR US-

		4530042-\$.DID. OR US- 4534624-\$.DID. OR US- 4563705-\$.DID. OR US- 4573924-\$.DID. OR US- 4607913-\$.DID. OR US- 4782394-\$.DID. OR US- 4782396-\$.DID.				
L55	1	((HE-WON) near2 (JUNG)). INV.	US-PGPUB; USPAT	ADJ	ON	2009/11/19 13:56
L56	3	((HYEONG- RYEOL) near2 (OH)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/11/19 13:56

### EAST Search History (I nterference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L37	3	lens adj (barrel or tube or cylinder) with tool adj (mark or groove or slot)	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/11/19 12:53
L38	1	(lens adj (barrel or tube or cylinder) with tool adj (mark or groove or slot)). clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/11/19 12:53
L39	1	(actuator or motor) with piezoelectric adj element with (fix \$4 or install\$8 or arrang\$8 or dispos \$4 or plac\$4) with ((compensat\$4 adj lens) and (stationary or fix \$4) adj (part or	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/11/19 12:55

		portion))				
L40	0	(actuator or motor) with piezoelectric adj element with (fix \$4 or install\$8 or arrang\$8 or dispos \$4 or plac\$4) with ((compensat\$4 adj lens) and (focus\$4 adj driv \$4) adj (part or portion))	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/11/19 12:58
L41	1	((actuator or motor) with piezoelectric adj element with (fix \$4 or install\$8 or arrang\$8 or dispos \$4 or plac\$4) with ((compensat\$4 adj lens) and (stationary or fix \$4) adj (part or portion))).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/11/19 12:59
L42	1	restor\$7 adj (member or means or portion) with (restor\$7 or reinstate or amend \$8 or reestablish \$7 or return\$4) with driv\$5 adj (part or portion or section or means or member) with (start\$4 or initial or first or end) adj (position or place or locat\$4)	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/11/19 13:04

L43	1	(restor\$7 adj (member or means or portion) with (restor\$7 or reinstate or amend \$8 or reestablish \$7 or return\$4) with driv\$5 adj (part or portion or section or means or member) with (start\$4 or initial or first or end) adj (position or place or locat\$4)).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/11/19 13:05
L44	0	(restor\$7 adj (member or means or portion) with (restor\$7 or reinstate or amend \$8 or reestablish \$7 or return\$4) with actuator with driv\$5 adj (part or portion or section or means or member) with (start\$4 or initial or first or end) adj (position or place or locat\$4)).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/11/19 13:06
L45	1	(actuator or motor) with piezoelectric adj element with (fix \$4 or install\$8 or arrang\$8 or dispos \$4 or plac\$4) with ((compensat\$4 adj lens) and (focus\$4 or zoom) adj driv\$4 adj (part or portion))	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/11/19 13:16

L46	1	((actuator or motor) with piezoelectric adj element with (fix \$4 or install\$8 or arrang\$8 or dispos \$4 or plac\$4) with ((compensat\$4 adj lens) and (focus\$4 or zoom) adj driv\$4 adj (part or portion))). clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/11/19 13:17
L47	1	restor\$7 adj (member or means or portion or spring or coil) with (restor\$7 or reinstat\$4 or amend\$8 or reestablish\$7 or return\$4) with (focus\$4 or zoom \$4) adj driv\$5 adj (part or portion or section or means or member) with (start\$4 or initial or first or end) adj (position or place or locat\$4)	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/11/19 13:26
L48	1	(restor\$7 adj (member or means or portion or spring or coil) with (restor\$7 or reinstat\$4 or amend\$8 or reestablish\$7 or return\$4) with (focus\$4 or zoom \$4) adj driv\$5 adj (part or portion or section or means or member) with (start\$4 or initial or first or end) adj (position or place	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/11/19 13:26

		or locat\$4)).clm.				
L49	1	(suspen\$6 adj (member or means or part or portion or spring or coil)) with (between) with ((stationary or fix \$4) adj (part or portion or member) and (focus\$4 or zoom \$4) adj driv\$4 adj (part or portion or section))	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/11/19 13:37
L50	1	((suspen\$6 adj (member or means or part or portion or spring or coil)) with (between) with ((stationary or fix \$4) adj (part or portion or member) and (focus\$4 or zoom \$4) adj driv\$4 adj (part or portion or section))).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/11/19 13:38
L51	0	first adj zoom adj transition adj path	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/11/19 13:44
L52	1	first with zoom adj transition adj path	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/11/19 13:48
L53	24	fifth adj lens adj barrel	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/11/19 13:49
L57	464	(396/133).CCLS.	US-PGPUB; USPAT; UPAD	OR	OFF	2009/11/19 13:57
L58	133	(396/73).CCLS.	US-PGPUB; USPAT; UPAD	OR	OFF	2009/11/19 14:11

L59	111	(396/75).CCLS.	US-PGPUB; USPAT; UPAD	OR	OFF	2009/11/19 14:12
L60	836	(359/824).CCLS.	US-PGPUB; USPAT; UPAD	OR	OFF	2009/11/19 14:17

**11/ 19/ 2009 2:33:51 PM**

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\ 10596591.wsp**